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| APPLICATION NO.                          | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO.     | CONFIRMATION NO. |
|--|-------------|----------------------|-------------------------|------------------|
| 10/708,176                               | 02/13/2004  | Chung-Wen Ko         | 12043-US-PA             | 2175             |
| 31561                                    | 7590        | 11/30/2005           | EXAMINER                |                  |
| JIANQ CHYUN INTELLECTUAL PROPERTY OFFICE |             |                      | QUARTERMAN, KEVIN J     |                  |
| 7 FLOOR-1, NO. 100                       |             |                      | ART UNIT                |                  |
| ROOSEVELT ROAD, SECTION 2                |             |                      | PAPER NUMBER            |                  |
| TAIPEI, 100                              |             |                      | 2879                    |                  |
| TAIWAN                                   |             |                      | DATE MAILED: 11/30/2005 |                  |

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/708,176

Applicant(s)

KO, CHUNG-WEN

Examiner

Kevin Quarterman

Art Unit

2879

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 28 October 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-7 is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_\_ is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 13 February 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☒ None of:
- 1) ☒ Certified copies of the priority documents have been received.
  - 2) ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Election/Restrictions***

1. Applicant's election without traverse of Group I, claims 1-7, in the reply filed on 28 October 2005 is acknowledged.

### ***Priority***

2. Acknowledgment is made of applicant's claim for foreign priority based on an application filed in Taiwan on 29 October 2003. It is noted, however, that applicant has not filed a certified copy of the foreign 92129999 application as required by 35 U.S.C. 119(b).

### ***Specification***

3. The disclosure is objected to because of the following informalities: The pages of the specification are not numbered. (See MPEP § 608.01).

4. ¶ [0003]—it appears that a space is missing between the terms “life” and “and” in the 5<sup>th</sup> line of the paragraph.

5. ¶ [0009]—it appears that a space is missing between the terms “life” and “and” in the 3<sup>rd</sup> line of the paragraph.

6. ¶ [0013]—it appears that a space is missing between the terms “method” and “includes” in the 4<sup>th</sup> line of the paragraph.

7. ¶ [0013]—it appears that the comma (,) placed between the terms “to” and “the” in the 5<sup>th</sup> line of the paragraph should be replaced with a space.

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8. ¶ [0025]—it appears that a space is missing between the reference sign “230” and the term “and” in the 7<sup>th</sup> line of the paragraph.
9. ¶ [0025]—it appears that a space is missing between the terms “holes” and “into” in the 11<sup>th</sup> line of the paragraph.
10. ¶ [0025]—it appears that a space is missing between the comma (,) and the term “an” in the 14<sup>th</sup> line of the paragraph.
11. ¶ [0025]—it appears that a space is missing between the reference sign “230” and the term “is” in the 16<sup>th</sup> line of the paragraph.
12. ¶ [0025]—it appears that a space is missing between the reference sign “240” and the term “is” in the 17<sup>th</sup> line of the paragraph.
13. ¶ [0025]—it appears that a space is missing between the terms “(Mg)” and “or” in the 23<sup>rd</sup> line of the paragraph.
14. ¶ [0026]—it appears that a space is missing between the reference sign “232” and the term “and” in the 2<sup>nd</sup> and 4<sup>th</sup> lines of the paragraph.
15. ¶ [0027]—it appears that a space is missing between the period (.) and the term “FIG.” in the 7<sup>th</sup> line of the paragraph.
16. ¶ [0028]—it appears that a space is missing between the terms “and” and “the” in the 3<sup>rd</sup> line of the paragraph.
17. ¶ [0028]—it appears that a space is missing between the reference sign “232” and the term “and” in the 5<sup>th</sup> line of the paragraph.
18. ¶ [0028]—it appears that a space is missing between the reference sign “232a” and the term “and” in the 9<sup>th</sup> line of the paragraph.

19. ¶ [0028]—it appears that a space is missing between the reference sign “232b” and the term “and” in the last line of the paragraph.
20. ¶ [0029]—it appears that a space is missing between the reference sign “234” and the term “and” in the 4<sup>th</sup> line of the paragraph.
21. ¶ [0029]—it appears that a space is missing between the reference sign “232a” and the term “and” in the 9<sup>th</sup> line of the paragraph.
22. ¶ [0032]—it appears that a space is missing between the reference sign “230” and the term “and” in the 7<sup>th</sup>, 9<sup>th</sup>, and 12<sup>th</sup> lines of the paragraph.
23. ¶ [0032]—it appears that a space is missing between the reference sign “240” and the term “and” in the last line of the paragraph.
24. ¶ [0033]—it appears that a space is missing between the comma (,) and the term “wherein” in the 11<sup>th</sup> line of the paragraph.
25. ¶ [0034]—it appears that the term “includes” should be in its singular form—i.e., *include*—in the 7<sup>th</sup> line of the paragraph.
26. ¶ [0034]—it appears that a space is missing between the reference sign “232” and the term “and” in the 8<sup>th</sup> line of the paragraph.
27. ¶ [0034]—it appears that a space is missing between the reference sign “220” and the term “and” in the 13<sup>th</sup> line of the paragraph.
28. ¶ [0035]—it appears that a space is missing between the term “layer” and the reference sign “234” in the 5<sup>th</sup> line of the paragraph.
29. ¶ [0036]—it appears that a space is missing between the terms “but” and “before” in the 6<sup>th</sup> and 11<sup>th</sup> lines of the paragraph.

30. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

31. The following title is suggested: --ORGANIC ELECTROLUMINESCENCE  
DEVICE WITH LIGHT AND DARK BLUE EMITTING LAYERS--.

32. Appropriate correction is required.

### ***Drawings***

33. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: Reference sign "130a" recited in the 10<sup>th</sup> line of ¶ [0008] is not shown in the drawings.

34. Reference sign "106" recited in the 25<sup>th</sup> and 27<sup>th</sup> lines of ¶ [0025] is not shown in the drawings.

35. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

***Allowable Subject Matter***

36. Claims 1-7 are allowed.

37. The following is a statement of reasons for the indication of allowable subject matter: Regarding independent claim 1, the prior art of record neither shows or suggests an organic electroluminescent device comprising, in addition to other limitations of the claim, an emitting layer having a blue-emitting layer and a reddish orange-emitting layer, wherein the blue-emitting layer comprises a dark blue-emitting layer and a light blue-emitting layer. Due to their dependency upon independent claim 1, claims 2-7 are also allowable.

***Conclusion***

38. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Tokailin (US 5,126,214) discloses an electroluminescent element. Eida (US 5,909,081) discloses a multi-color light emission apparatus with an organic electroluminescent device.

39. This application is in condition for allowance except for the formal matters cited earlier.

40. Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

41. A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

**Contact Information**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin Quarterman whose telephone number is (571) 272-2461. The examiner can normally be reached on M-TH (7-5:30).

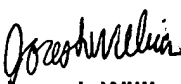
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel can be reached on (571) 272-2457. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kevin Quarterman  
Examiner  
Art Unit 2879

kq 

27 November 2005

  
Joseph Williams  
Primary Examiner  
Art Unit 2879